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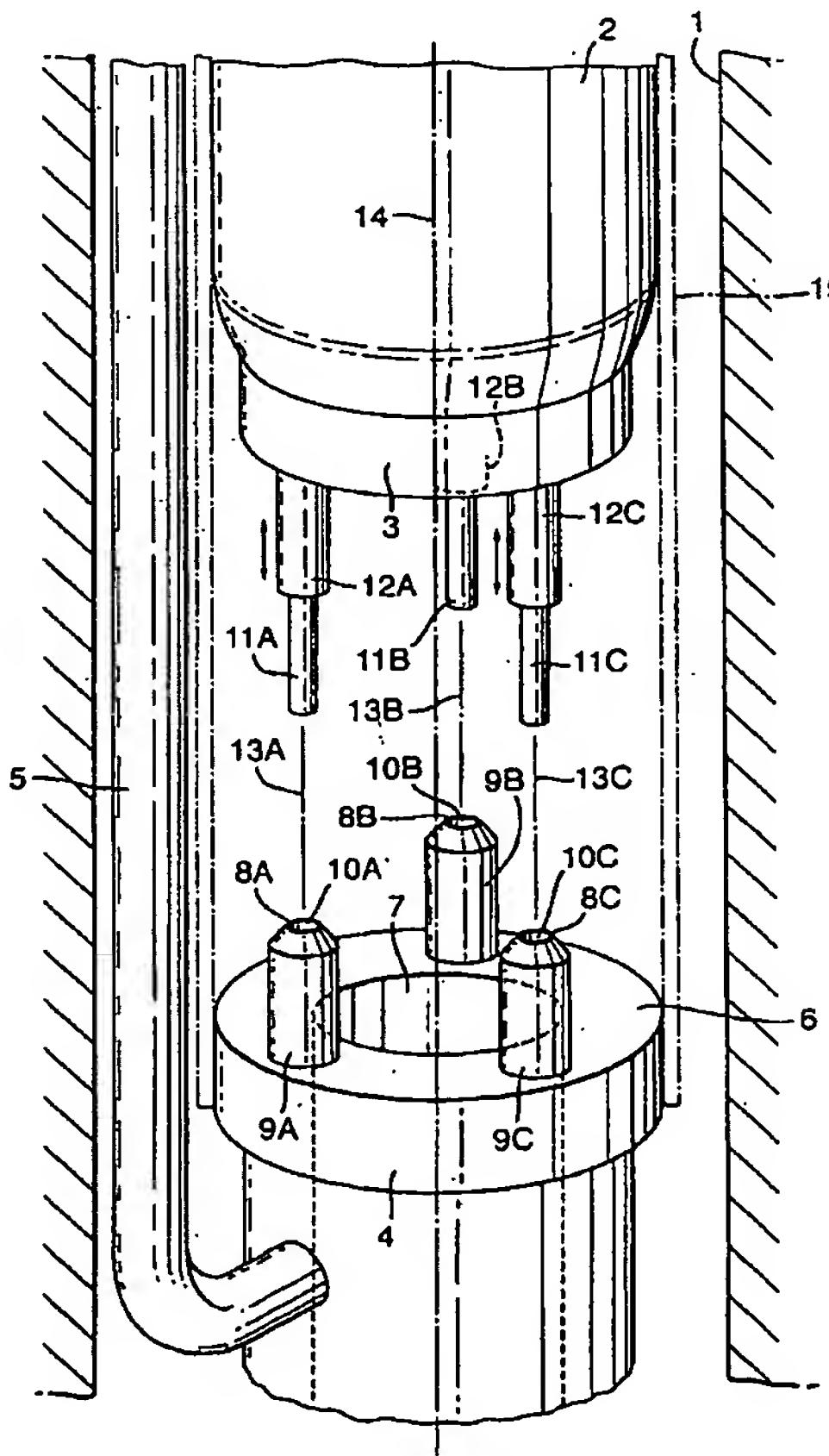
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(57) Abstract: A method for interconnecting electrical conduits in an underground borehole by means of a self-cleaning downhole electrical connector with a static and a moveable connector part (4,3), comprises installing the static connector part (4) within the borehole such that a central throughbore (7) within the static part (4) provides a passage for fluid and debris passage and for access there beneath after retrieval of the moveable connector part (3); and lowering the movable connector part (3) on top of the static connector part (4) such that pairs of electrical contacts (8 and 11A-C) of the static and movable connector parts (4,3) intermesh and fluid and debris is discharged via the central throughbore into the section of the borehole beneath the static connector part. The connector may be used to connect a wireline retrievable electrical submersible pump (ESP) system (2) to an electrical power supply line (5) which may remain in the borehole when the ESP system (2) is retrieved for inspection, repair or replacement.

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